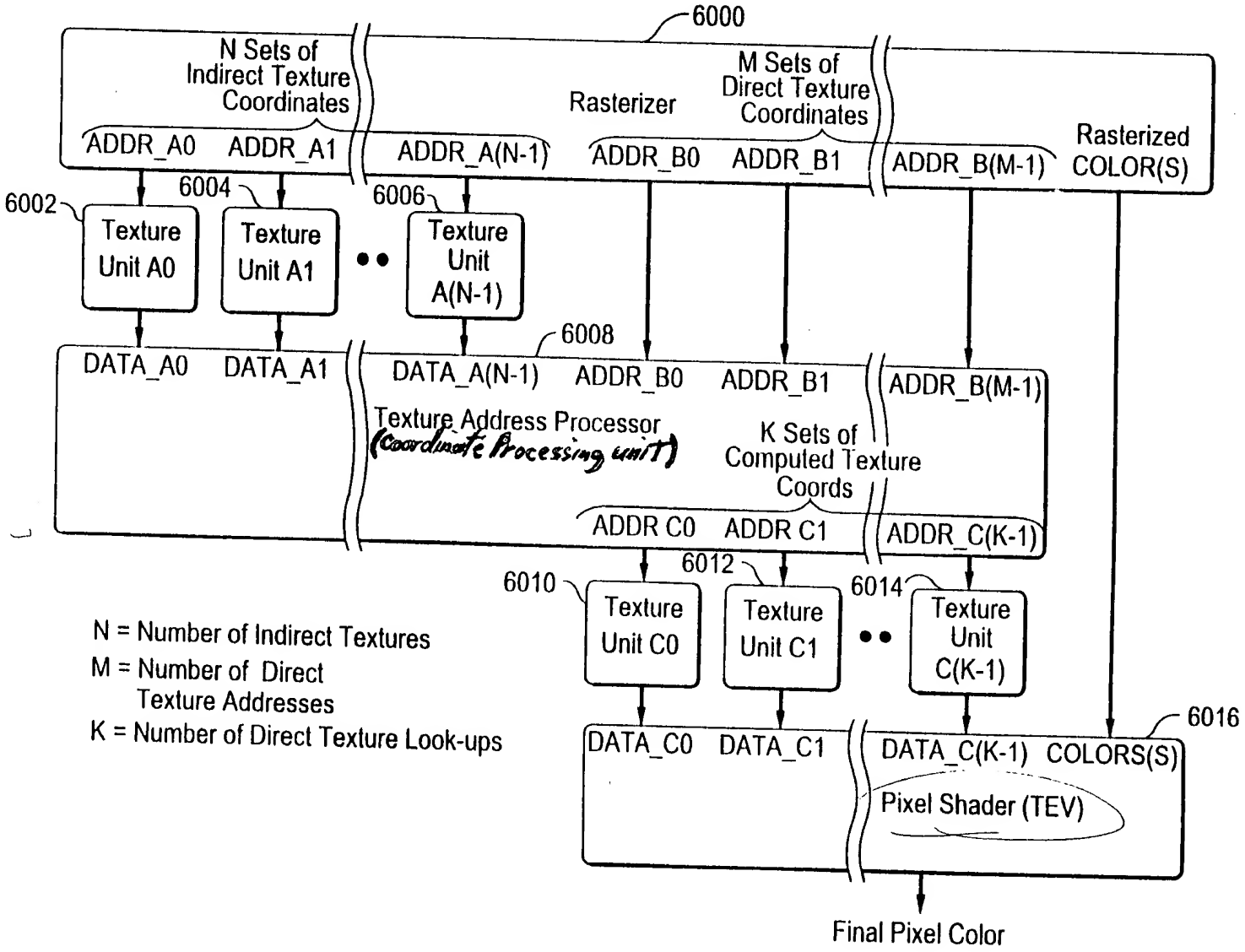

Logical Block Diagram of Indirect Texture Processing

Fig. 6

Annotated Sheet Showing Changes

Appl. No. 09/722,382
Atty. Dkt.: 723-961
ANNOTATED SHEET
SHOWING CHANGES

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Annotated Sheet Showing Changes

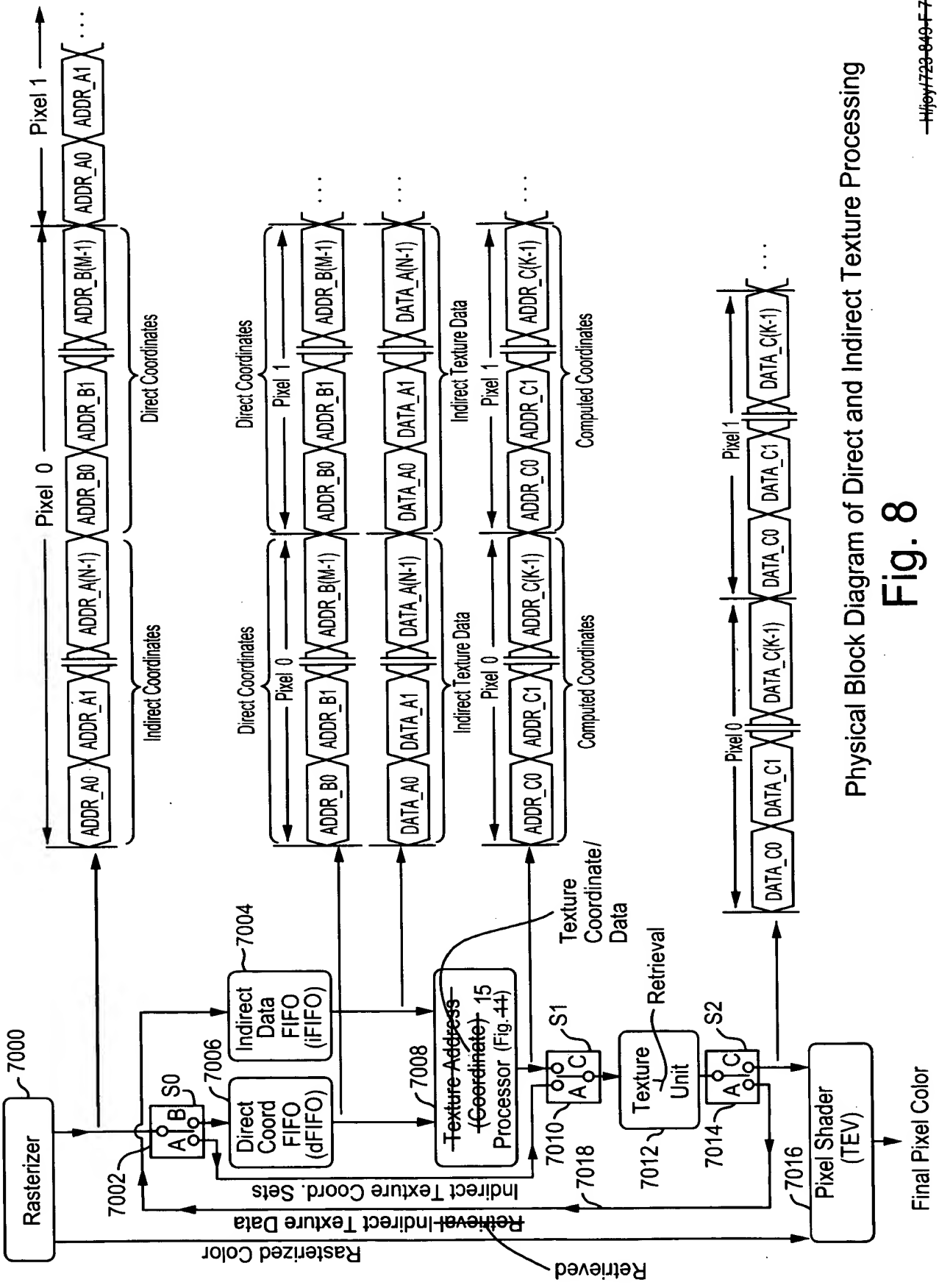

Fig. 8

Physical Block Diagram of Direct and Indirect Texture Processing

~~H:\jay\723-940 F 7.dwg~~

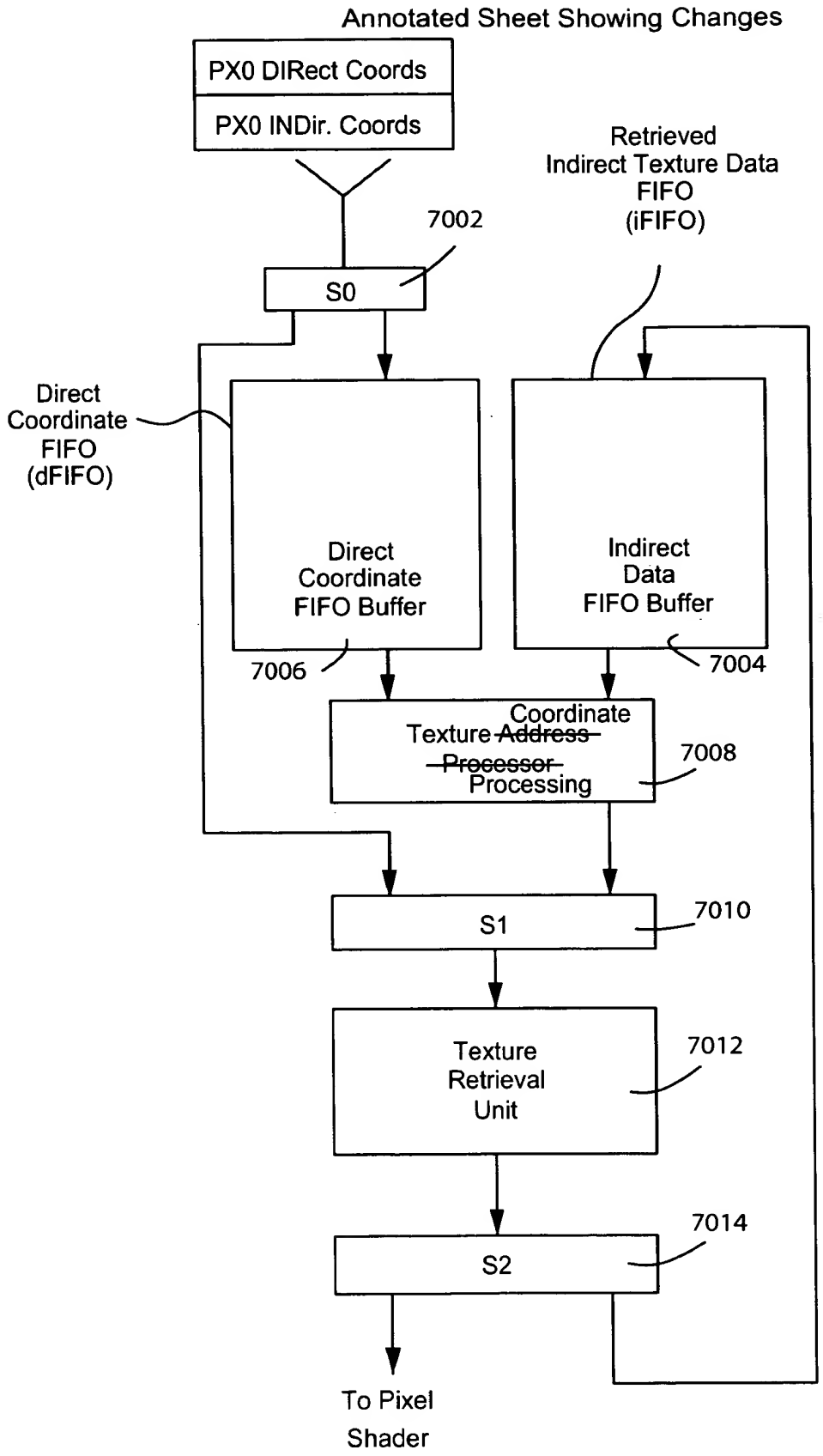
Annotated Sheet Showing Changes
PX0 DIRect Coords
PX0 INDir. Coords
Retrieved
Indirect Texture Data
FIFO
(iFIFO)
7002
S0
Direct
Coordinate
FIFO
(dFIFO)
Direct
Coordinate
FIFO Buffer
Indirect
Data
FIFO Buffer
7006
7004
Coordinate
Texture ~~Address~~
~~Processor~~
Processing
7008
S1
7010
Texture
Retrieval
Unit
7012
S2
7014
To Pixel
Shader

Fig. 10A

Annotated Sheet Showing Changes

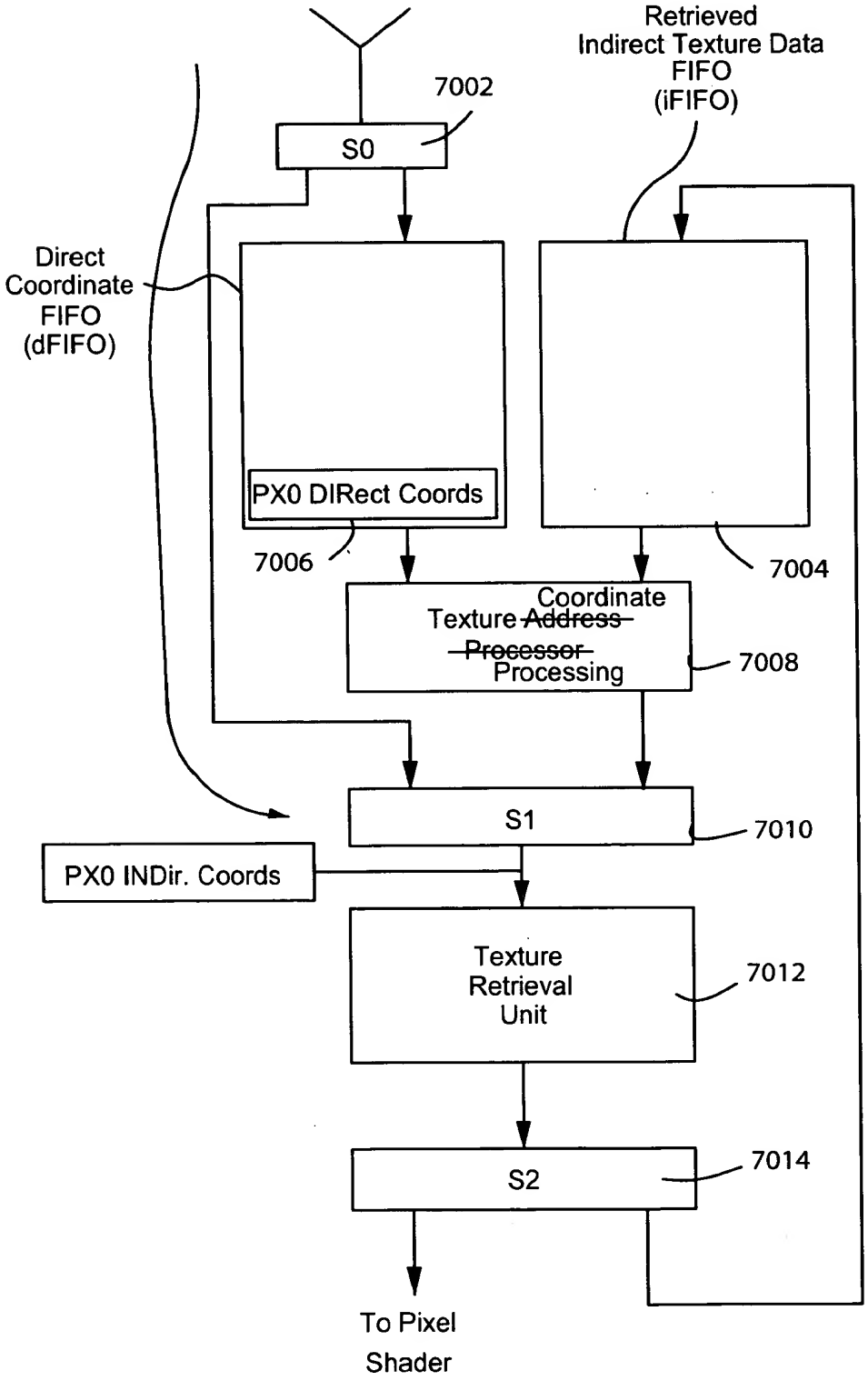

Fig. 10B

~~H:\joy\723-849-F-10B.dwg~~

Annotated Sheet Showing Changes

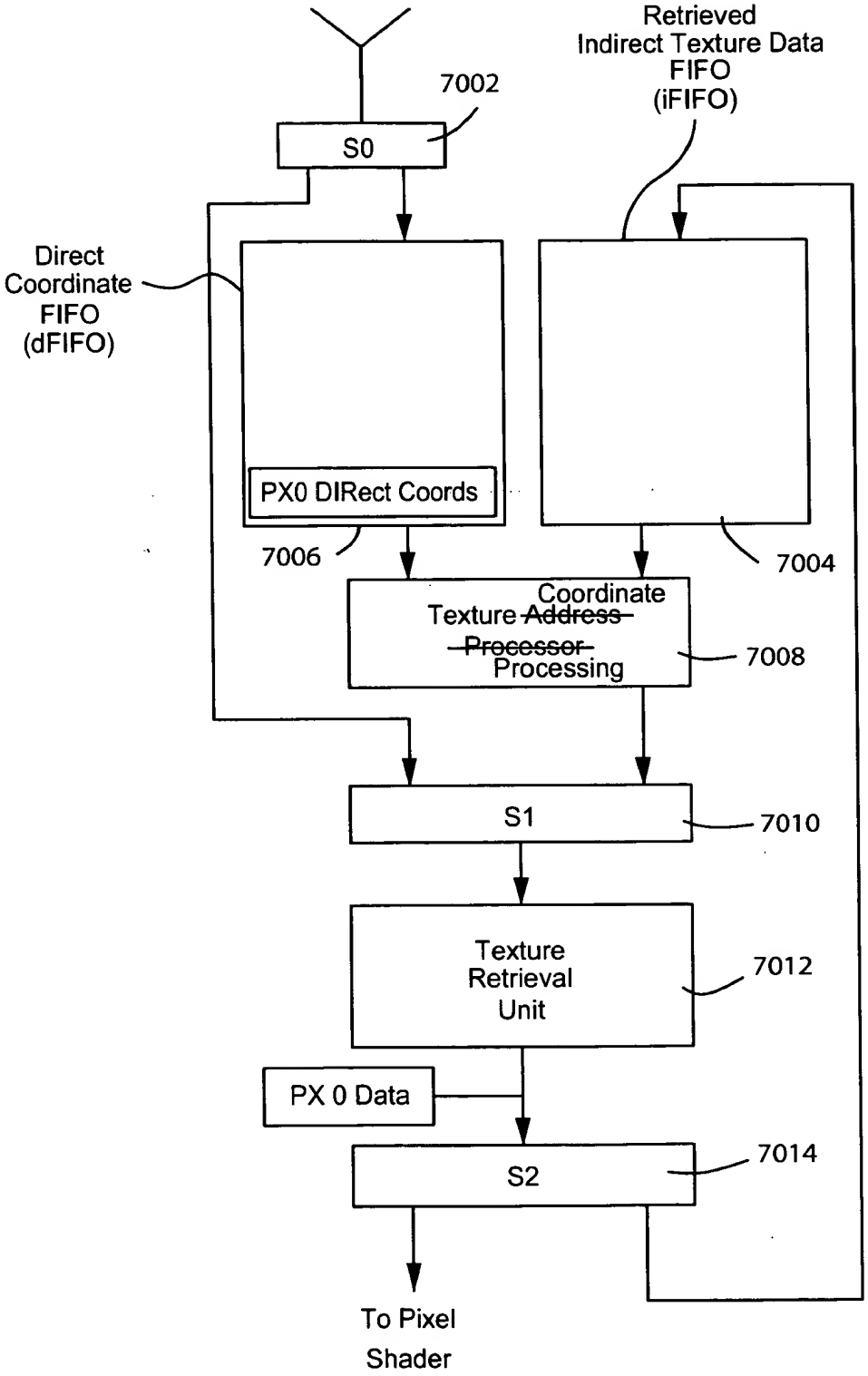

Fig. 10C

~~H:\joy\723-849-F-10C.dwg~~

Annotated Sheet Showing Changes

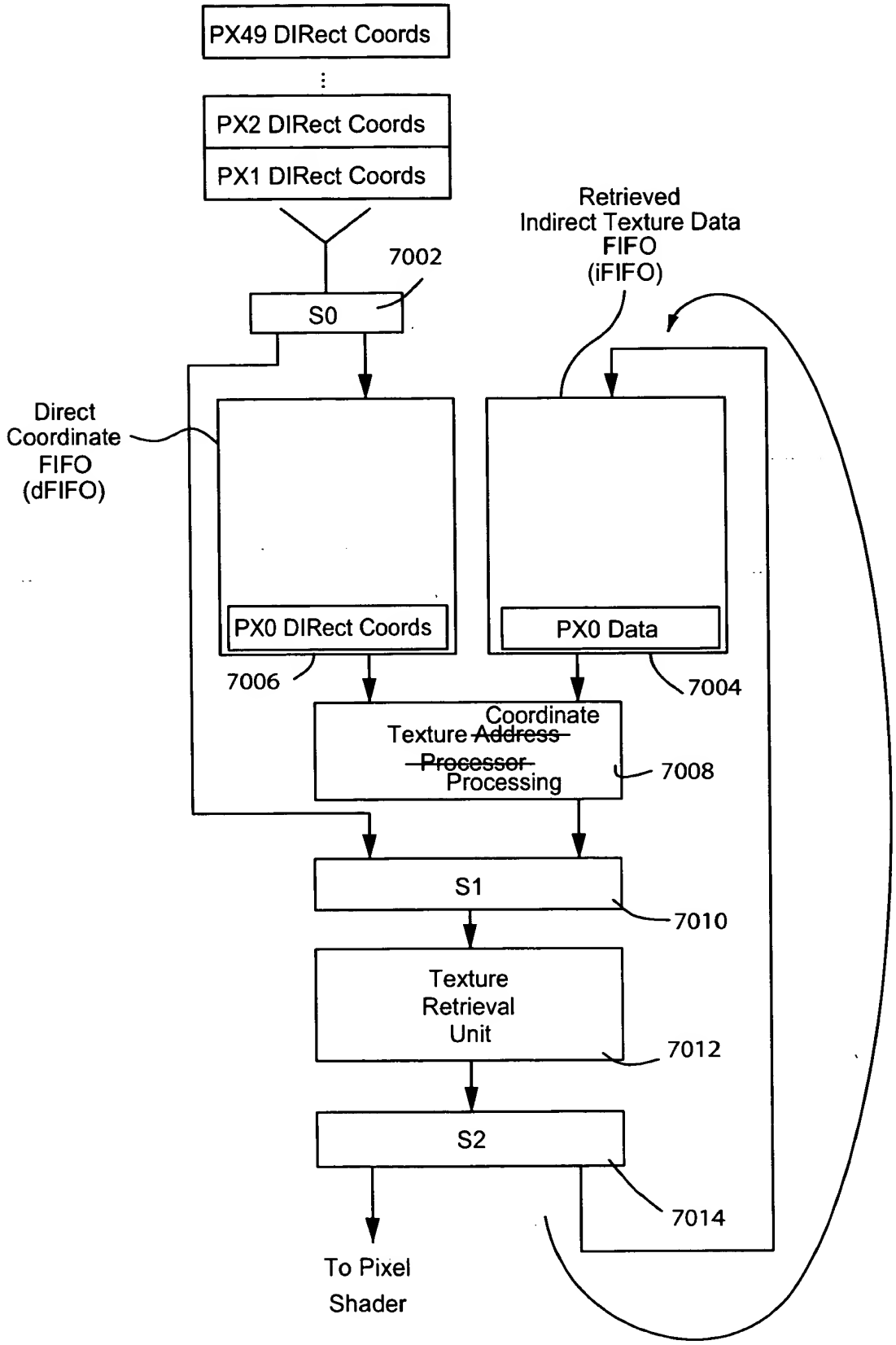

Fig. 10D

~~H/joy/723-849-F-10D.dwg~~

Annotated Sheet Showing Changes

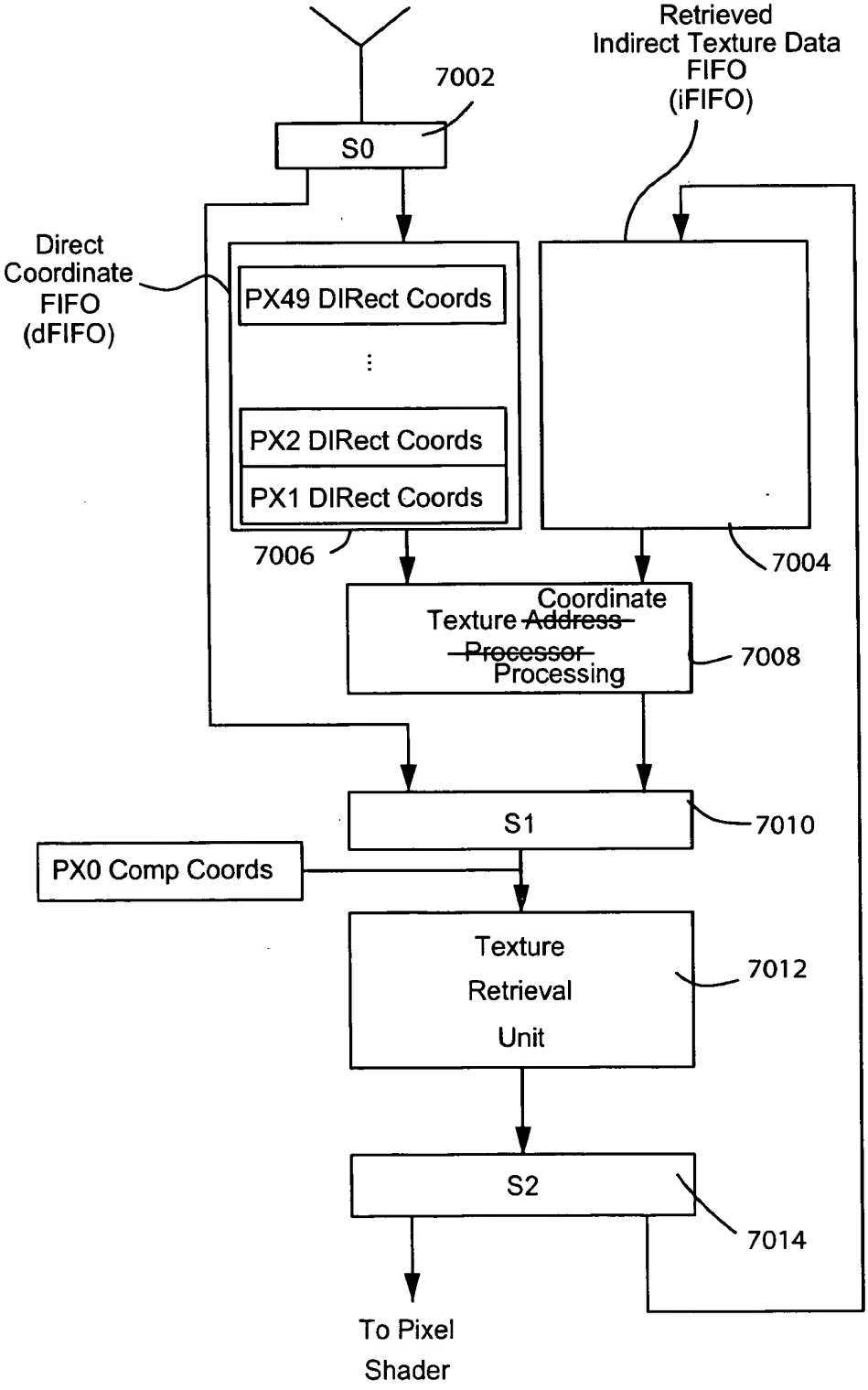

Fig. 10E

~~H/joy/723-849-F-10E.dwg~~

Annotated Sheet Showing Changes

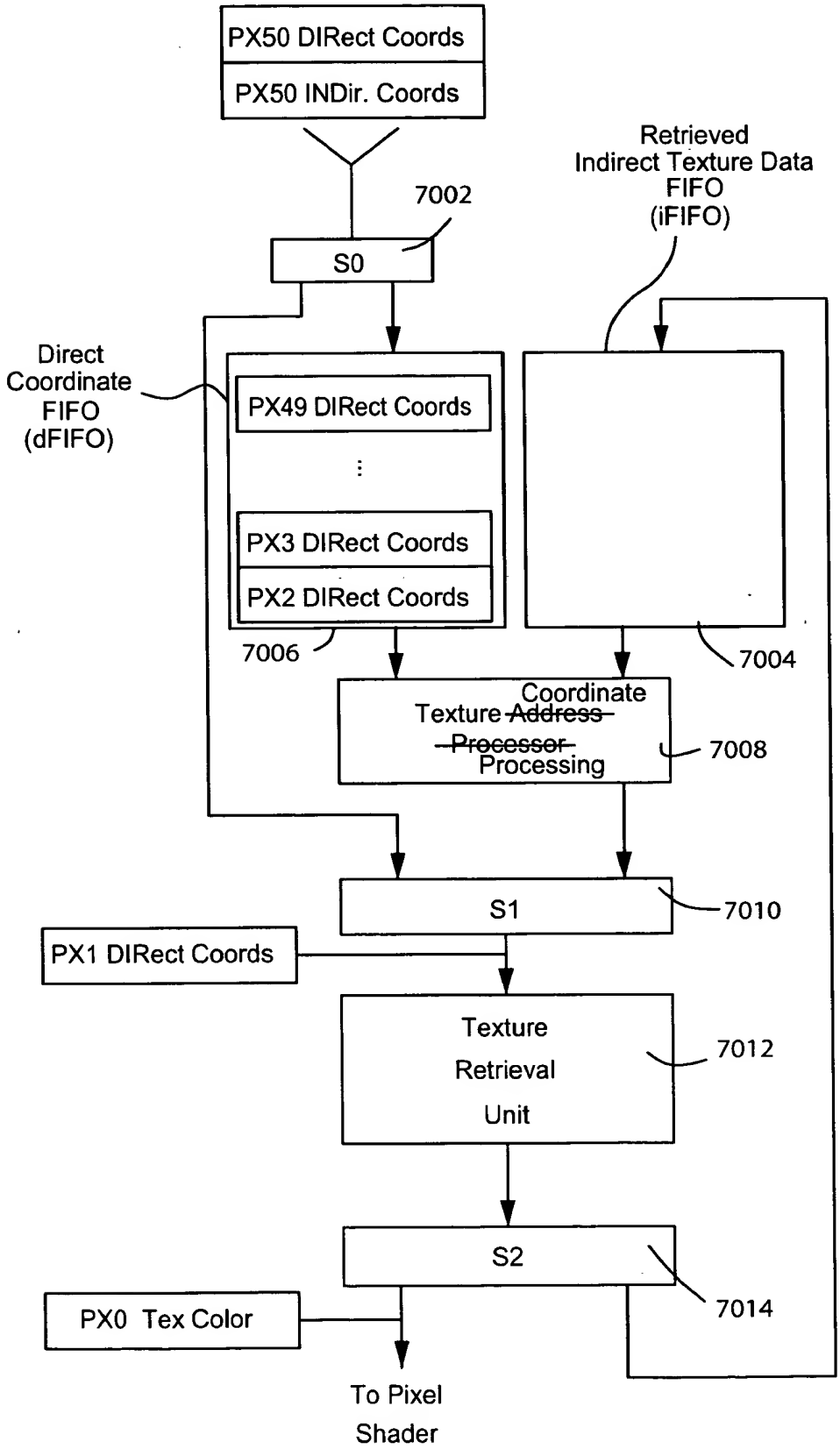

Fig. 10F

~~H/joy/723-849-F-10F.dwg~~

Annotated Sheet Showing Changes

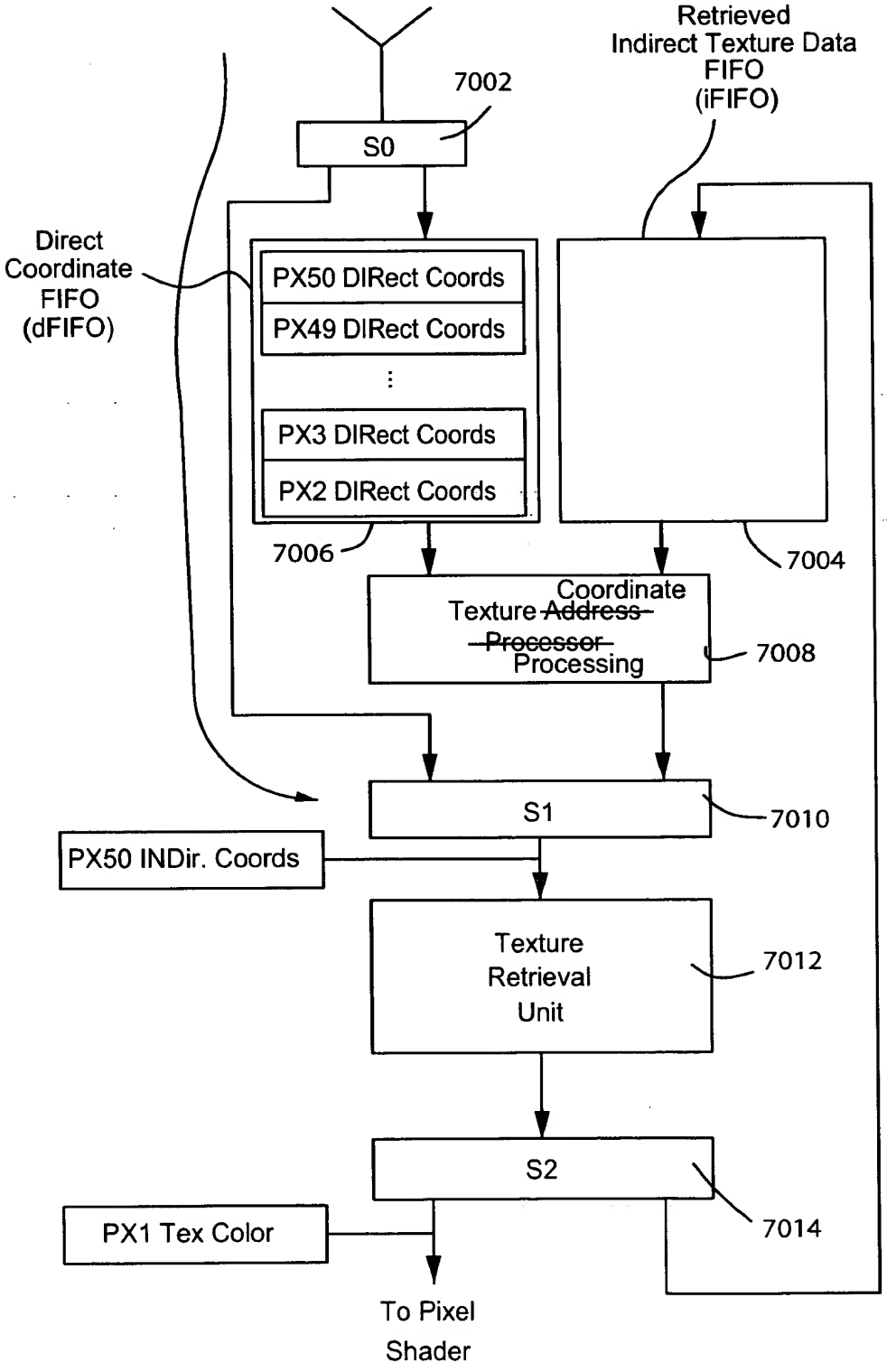

Fig. 10G

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Annotated Sheet Showing Changes

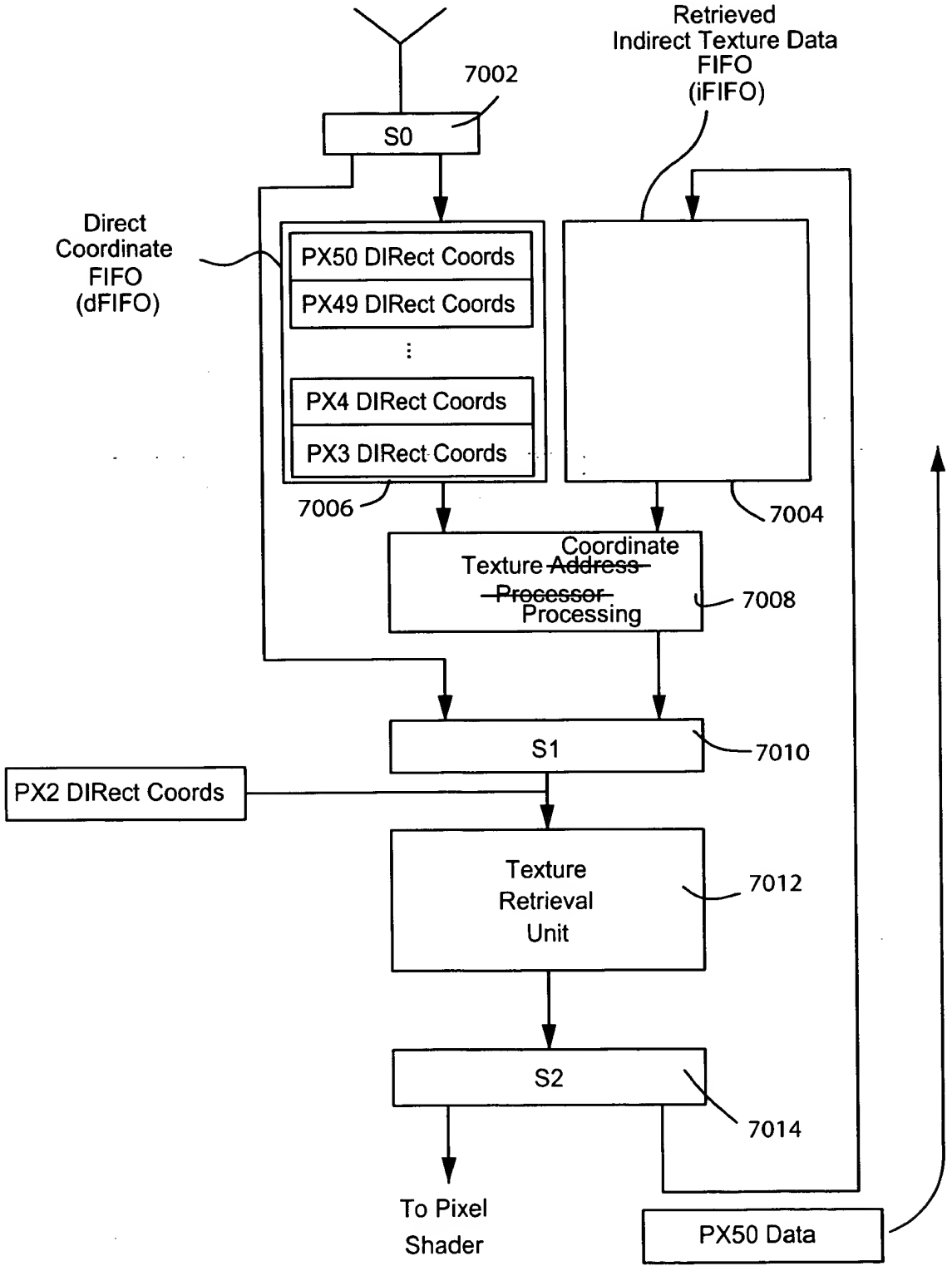

Fig. 10H

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Annotated Sheet Showing Changes

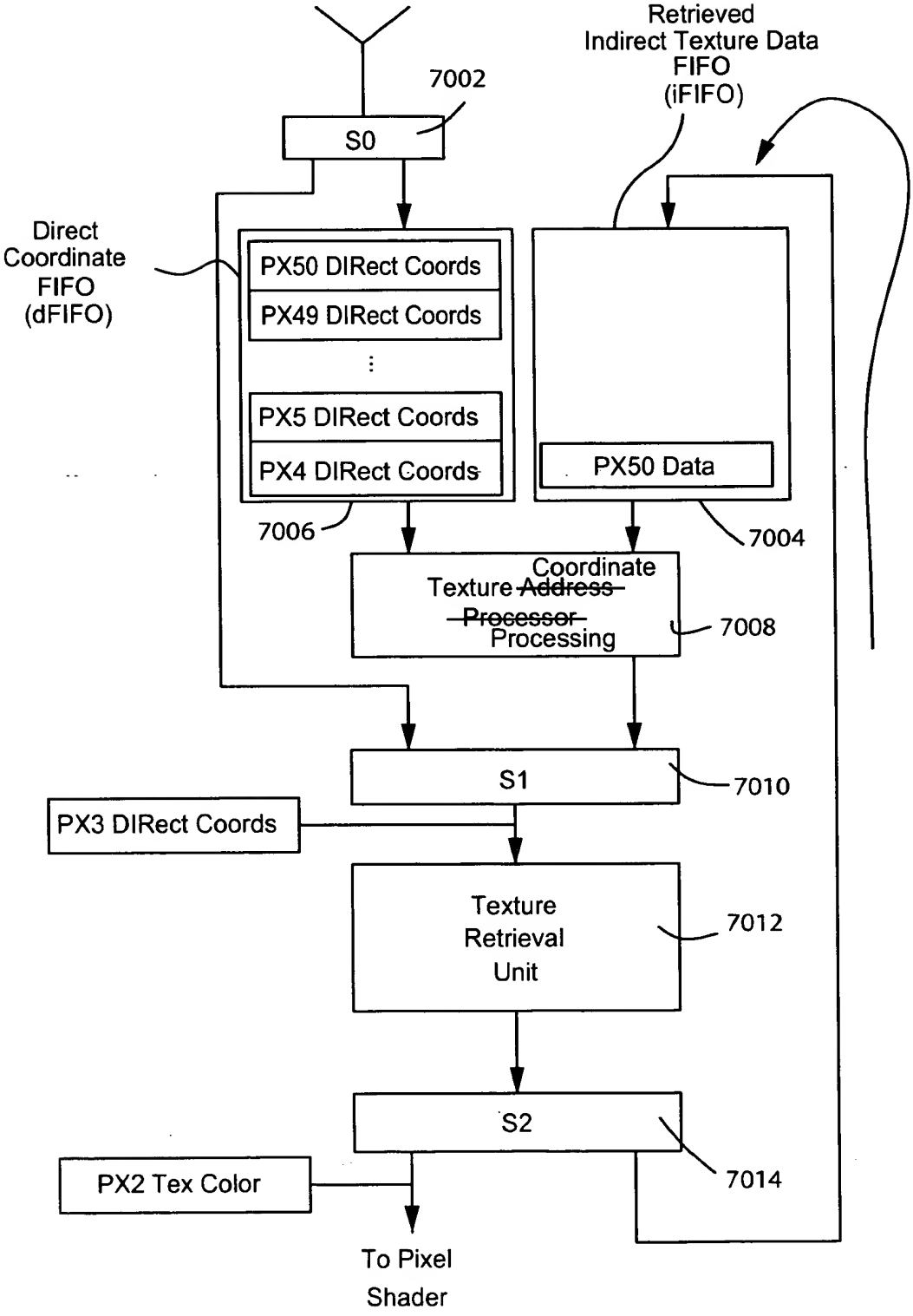

Fig. 10I

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Annotated Sheet Showing Changes

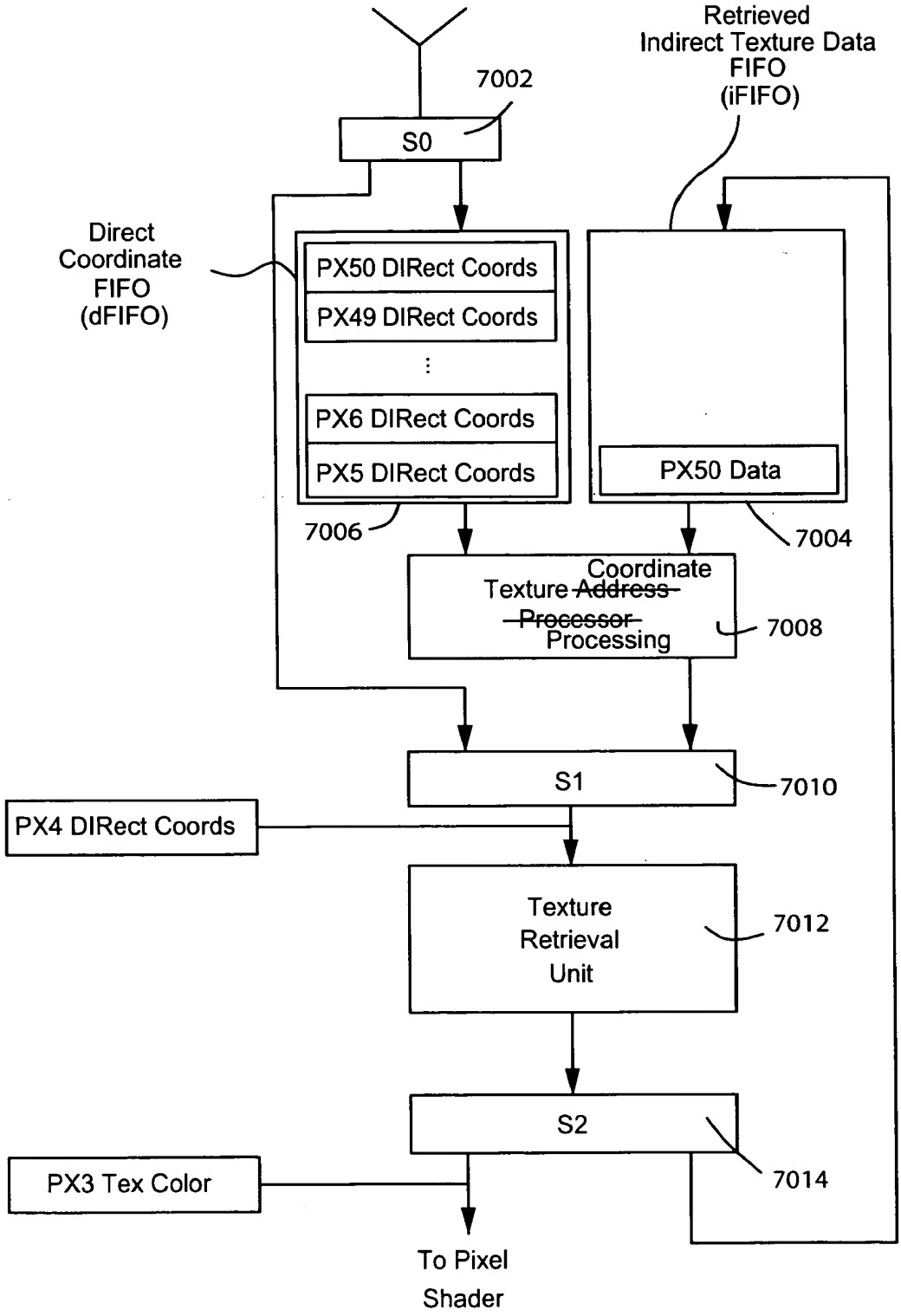

Fig. 10J

~~H/joy/723-849-F 10J.dwg~~

Annotated Sheet Showing Changes

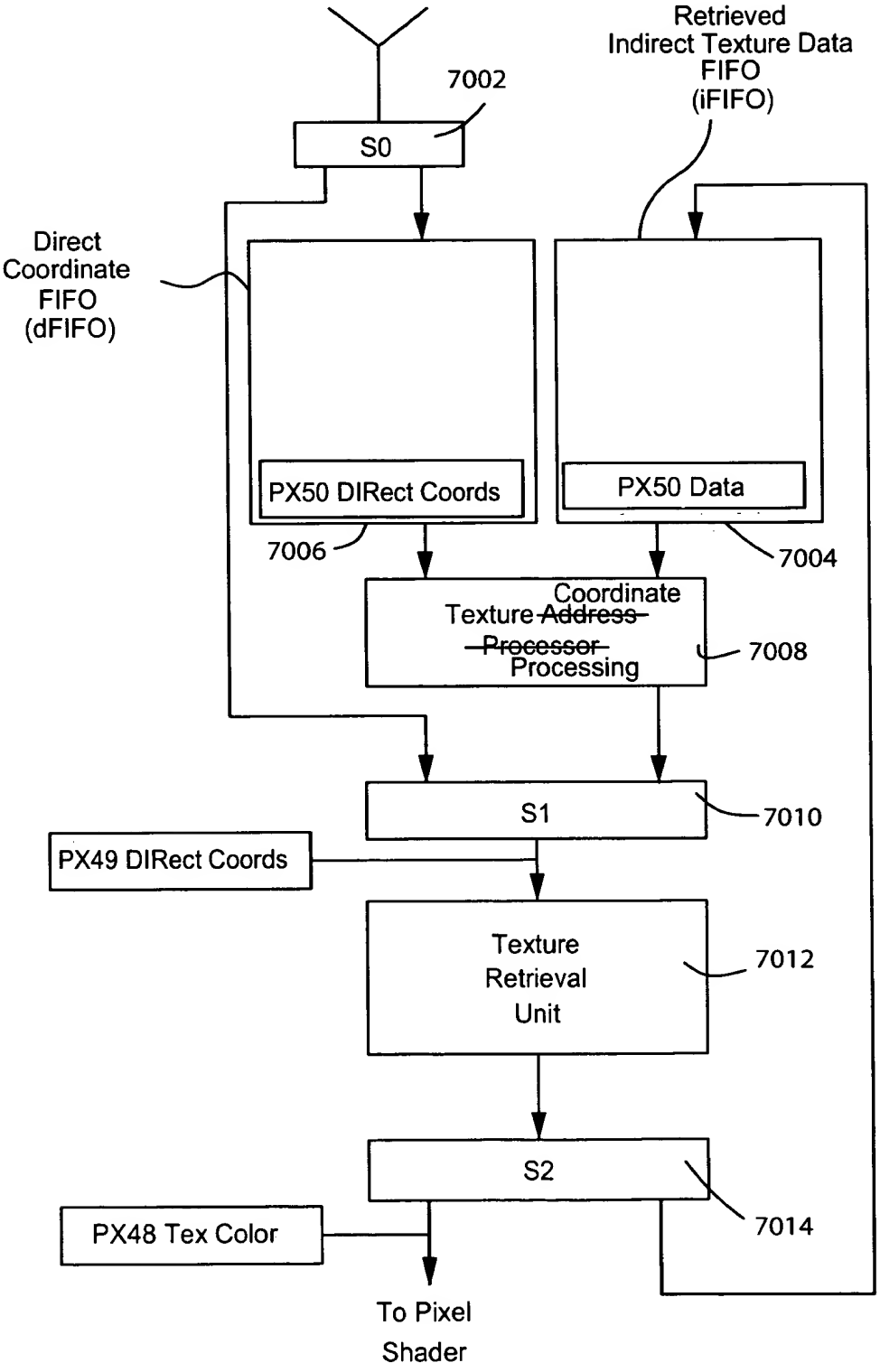

Fig. 10K

~~H/joy/723-849-F 10K.dwg~~

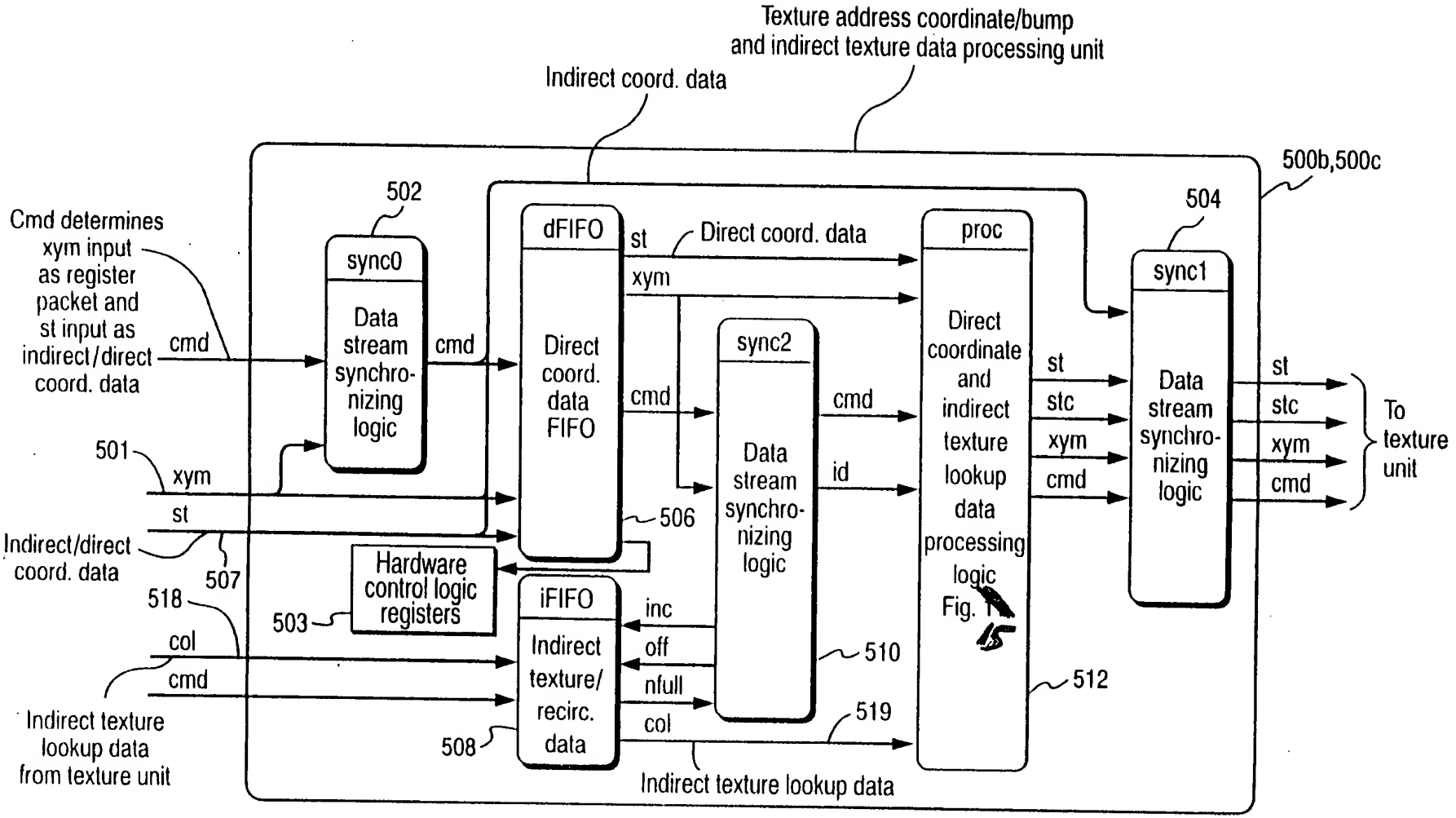

Fig. 14

EXAMPLE BUMP/TEXTURE COORDINATE PROCESSING UNIT

Annotated Sheet Showing Changes

Appl. No. 09/722,382
Atty. Dkt.: 723-961
ANNOTATED SHEET
SHOWING CHANGES

Annotated Sheet Showing Changes

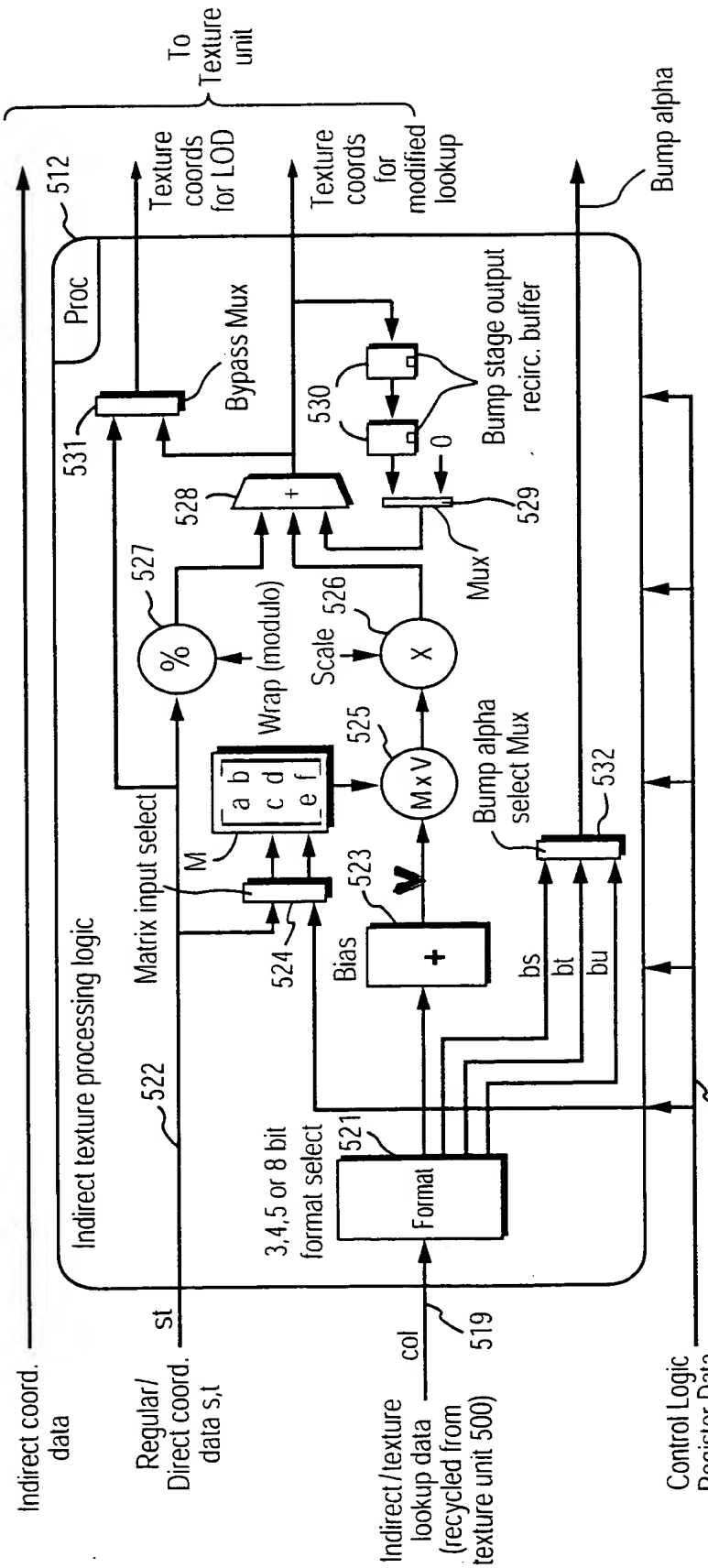

Fig. 15

EXAMPLE INDIRECT-TEXTURE LOOKUP DATA PROCESSING LOGIC

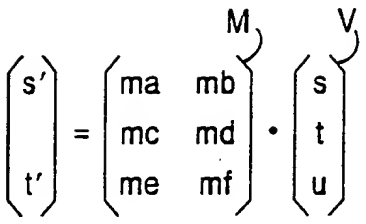

Fig. 16A

EXAMPLE TEXTURE OFFSET ~~MATRICES~~ MATRIX

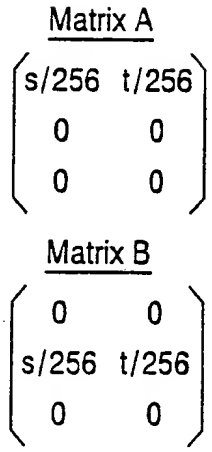

Fig. 16B

EXAMPLE TEXTURE OFFSET MATRICES

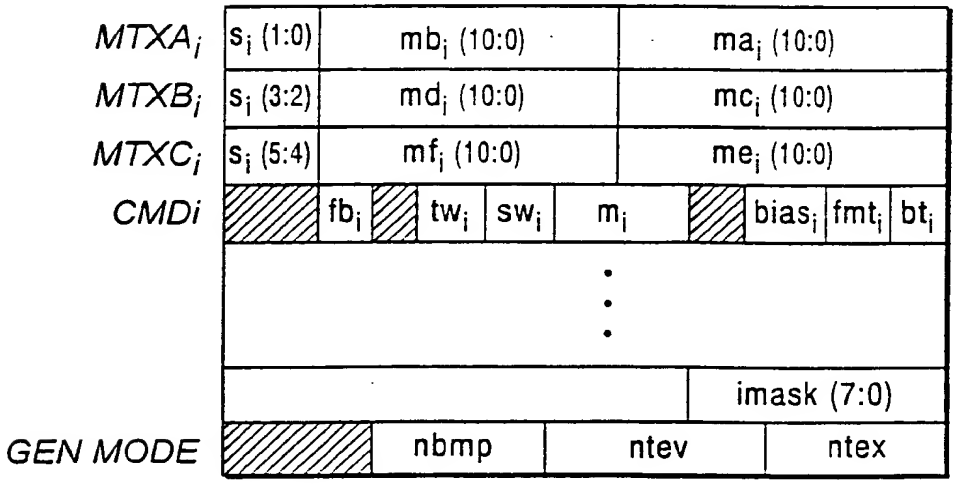

Fig. 17

EXAMPLE CONTROL LOGIC REGISTERS